

17648 U.S. PTO
07/31/03

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PTO/SB/50 (02-01)

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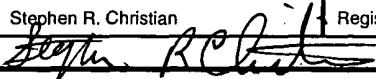
REISSUE PATENT APPLICATION TRANSMITTAL

Address to: Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22310-1450	Attorney Docket No. EGG-PI-413 RE/RE First Named Inventor Detering et al Original Patent Number RE 37,853 Original Patent Issue Date (Month/Day/Year) September 24, 2002 Express Mail Label No.
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APPLICATION FOR REISSUE OF: Utility Patent Design Patent Plant Patent
(check applicable box)

APPLICATION ELEMENTS (37 CFR 1.173) <ul style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/56) <i>(Submit an original, and a duplicate for fee processing)</i> 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification and Claims in a double column copy of patent format (amended, if appropriate) 4. <input checked="" type="checkbox"/> Drawing(s) (proposed amendments, if appropriate) 5. <input checked="" type="checkbox"/> Reissue Oath / Declaration (original or copy) (37 C.F.R. § 1.175)(PTO/SB/51 or 52) 6. <input type="checkbox"/> Power of Attorney 7. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If Yes, check applicable box(es))</i> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Written Consent of all Assignees (PTO/SB/53) <input checked="" type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (PTO/SB/96) 8. <input type="checkbox"/> CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table 9. Nucleotide and/or Amino Sequence Submission <i>(if applicable, all of the following are necessary)</i> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CFR) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM (2 copies) or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies 	ACCOMPANYING APPLICATION PARTS <ul style="list-style-type: none"> 10. <input checked="" type="checkbox"/> Statement of status/support for all changes to the claims. See 37 CFR 1.173(c). 11. <input type="checkbox"/> Original U.S. Patent for surrender <ul style="list-style-type: none"> <input type="checkbox"/> Ribboned Original Patent Grant <input type="checkbox"/> Statement of Loss (PTO/SB/55) 12. <input type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) <i>(if applicable)</i> 13. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 14. <input type="checkbox"/> English Translation of Reissue Oath/Declaration (if applicable) 15. <input checked="" type="checkbox"/> Preliminary Amendment 16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 17. <input checked="" type="checkbox"/> Other: Offer to Surrender
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18. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label			**	or <input checked="" type="checkbox"/> Correspondence address below	
PATENT TRADEMARK OFFICE					
Name	Stephen R. Christian Bechtel BWXT Idaho, LLC				
Address	P.O. Box 1625				
City	Idaho Falls	State	Idaho	Zip Code	83415-3899
Country	U.S.A.	Telephone	208-526-9140	Fax	208-526-8339

NAME (Print/Type)	Stephen R. Christian	Registration No. (Attorney/Agent)	32,687	
Signature			Date	31 JULY 2003

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REISSUE APPLICATION FEE TRANSMITTAL FORMDocket Number (Optional)
EGG-PI-413 RE/RE**Claims as Filed - Part 1**

Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 73	Total Claims (37 CFR 1.16(j))	(B) 73	**** 0	X\$ _____		or	X\$18= 0.00
(C) 7	Independent Claims (37 CFR 1.16(i))	(D) 7	* 0	=			X\$84= 0.00
			=	X\$ _____			
			=				
Basic Fee (37 CFR 1.16(h))				\$ _____			\$ 750.00
Total Filing Fee				\$ _____		OR	\$ 750.00

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	*** 73	MINUS	** 73	* =0	X\$ _____		or	X\$18= 0.00
Independent Claims (37 CFR 1.16(i))	*** 7	MINUS	***** 7	=0	X\$ _____			X\$84= 0.00
				=				
Total Additional Fee					\$ _____		OR	\$ 0.00

* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

*** After any cancellation of claims

**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

 Applicant claims small entity status. See 27 CFR 1.27. Please charge Deposit Account No. 05-0565 in the amount of \$750.00.
A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 05-0565.
A duplicate copy of this sheet is enclosed. A check in the amount of \$_____ to cover the filing / additional fee is enclosed. Payment by credit card. Form PTO-2038 is attached.**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038.31 JULY 2003

Date

Signature of Applicant, Attorney or Agent of Record

Stephen R. Christian

Reg. No. 32,687

Typed or printed name

STATEMENT UNDER 37 CFR 3.73(b)

Attorney Docket Number: EGG-PI-413 RE/RE

Applicant/Patent Owner: BECHTEL BWXT IDAHO, LLCApplication No./Patent No.: RE 37,853 Filed/Issue Date: September 24, 2002Entitled: FAST QUENCH REACTOR AND METHOD

BECHTEL BWXT IDAHO, LLC, a Limited Liability Company
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Brent A. Detering, Alan D. Donaldson, James R. Fincke, and Peter C. Kong
 To: Lockheed Idaho Technologies Company

The document was recorded in the United States Patent and Trademark Office at
 Reel 7415, Frame 0618, or for which a copy thereof is attached.

2. From: Lockheed Martin Idaho Technologies Company To: Bechtel BWXT Idaho, LLC

The document was recorded in the United States Patent and Trademark Office at
 Reel 010579, Frame 0985, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

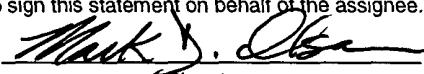
Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document)
 must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be
 recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

21 July 2003
 Date


 Signature

Mark D. Olsen

Typed or printed name

Assistant Secretary

Title

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**REISSUE APPLICATION: CONSENT OF ASSIGNEE;
STATEMENT OF NON-ASSIGNMENT**Docket Number (Optional)
EGG-PI-413 RE/RE

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

Brent A. Detering; Alan D. Donaldson, James R. Fincke, Peter C. Kong

Patent Number
RE 37,853Date Patent Issued
September 24, 2002

Title of Invention

FAST QUENCH REACTOR AND METHOD

1. Filed herein is a certificate under 37 CFR 3.73(b). (Form PTO/SB/96)
2. Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee owning an undivided interest in said original patent is/are BECHTEL BWXT IDAHO, LLC and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

BECHTEL BWXT IDAHO, LLC

Signature

Date

Typed or printed name and title of person signing for assignee (if assigned)

Mark D. Olsen, Assistant Secretary

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Detering et al

Serial No.: Not Yet Assigned

Filed:

For: FAST QUENCH REACTOR AND
METHOD

Confirmation No.: Unknown

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: EGG-PI-413 RE/RE

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: ER202562551US
Date of Deposit with USPS: JULY 31, 2003
Person making Deposit: Mandy Fandon

OFFER TO SURRENDER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned applicant of the accompanying reissue application of Letters Patent for "FAST QUENCH REACTOR AND METHOD", U.S. Patent No. RE 37,853, granted September 24, 2002, of which BECHTEL BWXT IDAHO, LLC is now sole owner by assignment and on whose behalf and with whose assent the accompanying application is made, hereby offers to surrender said Letters Patent.

Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically:

Attorney Docket No.: EGG-PI-413 RE/RE

1. The Assignment from Brent A. Detering, Alan D. Donaldson, James R. Fincke, and Peter C. Kong to Lockheed Idaho Technologies Company, recorded March 14, 1995, at Reel 7415, Frame 0618; and
2. The Assignment from Lockheed Martin Idaho Technologies Company to Bechtel BWXT Idaho, LLC, recorded February 1, 2000, at Reel 010579, Frame 0985.

The undersigned further avers that he is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

Respectfully submitted,

BECHTEL BWXT IDAHO, LLC

Dated: 30 July 2003

By:



Mark D. Olsen
Assistant Secretary